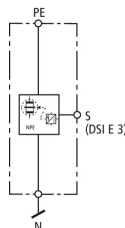


DGPM 1 255 S (900 050)

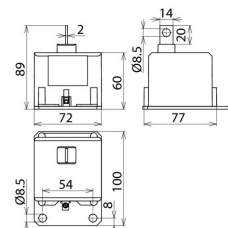
- Discharge capacity up to 100 kA (10/350 μ s)
- Total current arrester specifically designed for installation in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- Creepage discharge spark gap technology



Figure without obligation



Basic circuit diagram DGPM 1 255 S



Dimension drawing DGPM 1 255 S

Coordinated single-pole N-PE lightning current arrester for busbars.

Type	DGPM 1 255 S
Part No.	900 050
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
Max. continuous operating voltage (a.c.) (U_c)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μ s) (I_{imp})	100 kA
Specific energy (W/R)	2.50 MJ/ohms
Voltage protection level (U_p)	≤ 2.5 kV (including 80 cm connecting cable)
Follow current extinguishing capability (a.c.) (I_n)	100 A _{rms}
Response time (t_a)	≤ 100 ns
Temporary overvoltage (TOV) (U_T) – Characteristic	1200 V / 200 ms – withstand
Operating temperature range (T_U)	-40 °C ... +80 °C
Number of ports	1
For mounting on	N busbars, min. 35 mm ²
Connection	via cable lug, min. 35 mm ² / max. 50 mm ²
Operating state monitoring	via DEHNsignal DSI E 3
Connection for DSI E 3 (S) (min.)	1 mm ² solid / flexible
Connection for DSI E 3 (S) (max.)	2.5 mm ² solid / flexible
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Dimensions (W x H x D)	72 x 89 x 100 mm
Weight	507 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364107496
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.